

(FILE 'HOME' ENTERED AT 15:52:45 ON 20 MAR 2002)

FILE 'BIOSIS, CABA, CAPLUS, EMBASE, LIFESCI, MEDLINE, SCISEARCH,  
USPATFULL, JAPIO' ENTERED AT 15:52:55 ON 20 MAR 2002

L1 770 S CHEN, GANG/AU  
L2 645 DUP REM L1 (125 DUPLICATES REMOVED)  
L3 4 S L2 AND BINDING PROTEINS  
L4 12 S HAYHURST, ANDREW/AU  
L5 0 S THOMAS, JEFFERY/AU  
L6 0 S THOMAS, JEFFREY  
L7 17 S THOMAS, JEFFREY/AU  
L8 18 S IVERSON, BRENT/AU  
L9 225 S GEORGIOU, GEORGE/AU  
L10 8 S L9 AND BINDING PROTEINS

3 ANSWER 1 OF 4 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2001:307486 BIOSIS  
DOCUMENT NUMBER: PREV200100307486  
TITLE: Isolation of high-affinity ligand-binding  
proteins by periplasmic expression with cytometric  
screening (PECS).  
AUTHOR(S): Chen, Gang; Hayhurst, Andrew; Thomas, Jeffery G.;  
Harvey, Barrett R.; Iverson, Brent L. (1); Georgiou, George  
(1)  
CORPORATE SOURCE: (1) Institute for Cell and Molecular Biology, University of  
Texas, Austin, TX, 7812-05: biverson@utxvms.cc.utexas.edu,  
gg@che.utexas.edu USA  
SOURCE: Nature Biotechnology, (June, 2001) Vol. 19, No. 6, pp.  
537-542. print.  
ISSN: 1087-0156.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L3 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2000:523779 CAPLUS  
DOCUMENT NUMBER: 133:103182  
TITLE: Go.alpha. and Gs.alpha. gene expression in piriform  
cortex of brain in neonatal rats with hypothyroidism  
Cai, Dongsheng; Chen, Yuan; Chen, Gang; Jin,  
Qunyan; Li, Guo; Luo, Min  
CORPORATE SOURCE: Shanghai Institute of Endocrinology, Ruijin Hospital,  
SSMU, Shanghai, 200025, Peop. Rep. China  
SOURCE: Shanghai Dier Yike Daxue Xuebao (2000), 20(3),  
193-195, 198  
CODEN: SDDXE3; ISSN: 0258-5898  
PUBLISHER: Shanghai Dier Yike Daxue Xuebao Bianjibu  
DOCUMENT TYPE: Journal  
LANGUAGE: Chinese

L3 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1999:773795 CAPLUS  
DOCUMENT NUMBER: 132:161536  
TITLE: Effect of thyroid hormone on Go protein .alpha.  
subunit expression in hypothalamus of neonatal rat  
Cai, Dongsheng; Luo, Min; Chen, Yuan; Ding, Wei;  
Chen, Gang; Jin, Qunyan; Da, Cuidi; Chen,  
Jialun  
CORPORATE SOURCE: Shanghai Institute of Endocrinology, Ruijin Hospital,  
Shanghai Second Medical University, Shanghai, 200025,  
Peop. Rep. China  
SOURCE: Zhonghua Neifemmi Daixie Zazhi (1999), 15(5), 286-289  
CODEN: ZNDZEK; ISSN: 1000-6699  
PUBLISHER: Shanghaiishi Neifemmi Yanjiuso  
DOCUMENT TYPE: Journal  
LANGUAGE: Chinese

L3 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1996:217232 CAPLUS  
TITLE: Flow cytometric screening of antibody fragment contact  
residue libraries displayed at the surface of  
escherichia coli: A model system for the development  
of bacterial surface display for antibody selection.  
Daugherty, Patrick; Chen, Gang; Iverson,  
Brent; Georgiou, George  
CORPORATE SOURCE: Departments Chemical Engineering, University Texas,  
Austin, TX, 78712, USA  
SOURCE: Book of Abstracts, 211th ACS National Meeting, New  
Orleans, LA, March 24-28 (1996), BIOT-076. American

Chemical Society: Washington, D. C.  
CODEN: 62PIAJ  
DOCUMENT TYPE: Conference; Meeting Abstract  
LANGUAGE: English

=>

ANSWER 1 OF 12 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2002:94974 BIOSIS  
DOCUMENT NUMBER: PREV200200094974  
TITLE: High-throughput antibody isolation.  
AUTHOR(S): **Hayhurst, Andrew (1)**; Georgiou, George  
CORPORATE SOURCE: (1) Department of Chemical Engineering, University of Texas, Austin, TX, 78712: ggmjd@mail.utexas.edu USA  
SOURCE: Current Opinion in Chemical Biology, (December, 2001) Vol. 5, No. 6, pp. 683-689. print.  
ISSN: 1367-5931.  
DOCUMENT TYPE: Article  
LANGUAGE: English

L4 ANSWER 2 OF 12 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2001:307486 BIOSIS  
DOCUMENT NUMBER: PREV200100307486  
TITLE: Isolation of high-affinity ligand-binding proteins by periplasmic expression with cytometric screening (PECS).  
AUTHOR(S): Chen, Gang; **Hayhurst, Andrew**; Thomas, Jeffery G.; Harvey, Barrett R.; Iverson, Brent L. (1); Georgiou, George (1)  
CORPORATE SOURCE: (1) Institute for Cell and Molecular Biology, University of Texas, Austin, TX, 7812-05: biverson@utxvms.cc.utexas.edu, gg@che.utexas.edu USA  
SOURCE: Nature Biotechnology, (June, 2001) Vol. 19, No. 6, pp. 537-542. print.  
ISSN: 1087-0156.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L4 ANSWER 3 OF 12 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2000:220894 BIOSIS  
DOCUMENT NUMBER: PREV200000220894  
TITLE: Improved expression characteristics of single-chain Fv fragments when fused downstream of the Escherichia coli maltose-binding protein or upstream of a single immunoglobulin-constant domain.  
AUTHOR(S): **Hayhurst, Andrew (1)**  
CORPORATE SOURCE: (1) Department of Chemical Engineering, University of Texas at Austin, Austin, TX, 78712 USA  
SOURCE: Protein Expression and Purification, (Feb., 2000) Vol. 18, No. 1, pp. 1-10.  
ISSN: 1046-5928.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L4 ANSWER 4 OF 12 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2000:196497 BIOSIS  
DOCUMENT NUMBER: PREV200000196497  
TITLE: GRIM: Genomic rapid immuno-mapping.  
AUTHOR(S): **Hayhurst, Andrew (1)**; Iverson, Brent L.; Georgiou, George (1)  
CORPORATE SOURCE: (1) Chemical Engineering, University of Texas, 26th Street and Speedway, Austin, TX, 78712 USA  
SOURCE: Abstracts of Papers American Chemical Society, (2000) Vol. 219, No. 1-2, pp. BIOT 156.  
Meeting Info.: 219th Meeting of the American Chemical Society. San Francisco, California, USA March 26-30, 2000  
American Chemical Society  
. ISSN: 0065-7727.  
DOCUMENT TYPE: Conference  
LANGUAGE: English

SUMMARY LANGUAGE: English

L4 ANSWER 5 OF 12 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1999:241483 BIOSIS  
DOCUMENT NUMBER: PREV199900241483  
TITLE: *Escherichia coli Skp chaperone coexpression improves solubility and phage display of single-chain antibody fragments.*  
AUTHOR(S): **Hayhurst, Andrew**; Harris, William J. (1)  
CORPORATE SOURCE: (1) Department of Molecular and Cell Biology, Institute of Medical Sciences, University of Aberdeen, Foresterhill, Aberdeen, AB25 2ZD UK  
SOURCE: Protein Expression and Purification, (April, 1999) Vol. 15, No. 3, pp. 336-343.  
ISSN: 1046-5928.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L4 ANSWER 6 OF 12 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1996:106801 BIOSIS  
DOCUMENT NUMBER: PREV199698678936  
TITLE: An efficient method for the rescue and analysis of functional HIV-1 env genes: Evidence for recombination in the vicinity of the tat/rev splice site.  
AUTHOR(S): Douglas, Nigel W.; Knight, Angus I.; **Hayhurst, Andrew**; Barrett, Winsome Y.; Kevany, Michael J.; Daniels, Rod S. (1)  
CORPORATE SOURCE: (1) Virol. Div., Natl. Inst. Med. Res., Ridgeway, Mill Hill, London NW7 1AA UK  
SOURCE: AIDS (Philadelphia), (1996) Vol. 10, No. 1, pp. 39-46.  
ISSN: 0269-9370.  
DOCUMENT TYPE: Article  
LANGUAGE: English

L4 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2001:884441 CAPLUS  
DOCUMENT NUMBER: 136:149261  
TITLE: High-throughput antibody isolation  
AUTHOR(S): **Hayhurst, Andrew**; Georgiou, George  
CORPORATE SOURCE: Departments of Chemical Engineering, University of Texas, Austin, TX, 78712, USA  
SOURCE: Current Opinion in Chemical Biology (2001), 5(6), 683-689  
CODEN: COCBF4; ISSN: 1367-5931  
PUBLISHER: Elsevier Science Ltd.  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English  
REFERENCE COUNT: 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2001:428879 CAPLUS  
DOCUMENT NUMBER: 135:58046  
TITLE: Isolation of high-affinity ligand-binding proteins by periplasmic expression with cytometric screening (PECS)  
AUTHOR(S): Chén, Gang; **Hayhurst, Andrew**; Thomas, Jeffery G.; Harvey, Barrett R.; Iverson, Brent L.; Georgiou, George  
CORPORATE SOURCE: Inst. Cell and Molecular Biology, Univ. Texas, Austin, TX, 7812-05, USA  
SOURCE: Nature Biotechnology (2001), 19(6), 537-542  
CODEN: NABIF9; ISSN: 1087-0156

PUBLISHER: Nature America Inc.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2000:327381 CAPLUS  
TITLE: GRIM: Genomic rapid immuno-mapping.  
AUTHOR(S): **Hayhurst, Andrew**; Iverson, Brent L.;  
Georgiou, George  
CORPORATE SOURCE: Chemical Engineering, University of Texas, Austin, TX, 78712, USA  
SOURCE: Book of Abstracts, 219th ACS National Meeting, San Francisco, CA, March 26-30, 2000 (2000), BIOT-156. American Chemical Society: Washington, D. C.  
CODEN: 69CLAC  
DOCUMENT TYPE: Conference; Meeting Abstract  
LANGUAGE: English

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2000:58684 CAPLUS  
DOCUMENT NUMBER: 132:330535  
TITLE: Improved Expression Characteristics of Single-Chain Fv Fragments When Fused Downstream of the Escherichia coli Maltose-Binding Protein or Upstream of a Single Immunoglobulin-Constant Domain  
AUTHOR(S): **Hayhurst, Andrew**  
CORPORATE SOURCE: Department of Molecular and Cell Biology, Institute of Medical Sciences, University of Aberdeen, Aberdeen, AB25 2SZ, UK  
SOURCE: Protein Expression Purif. (2000), 18(1), 1-10  
CODEN: PEXPEJ; ISSN: 1046-5928  
PUBLISHER: Academic Press  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1999:199105 CAPLUS  
DOCUMENT NUMBER: 131:57472  
TITLE: Escherichia coli Skp Chaperone Coexpression Improves Solubility and Phage Display of Single-Chain Antibody Fragments  
AUTHOR(S): **Hayhurst, Andrew**; Harris, William J.  
CORPORATE SOURCE: Department of Molecular and Cell Biology, Institute of Medical Sciences, University of Aberdeen, Aberdeen, AB25 2ZD, UK  
SOURCE: Protein Expression Purif. (1999), 15(3), 336-343  
CODEN: PEXPEJ; ISSN: 1046-5928  
PUBLISHER: Academic Press  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1996:83900 CAPLUS  
DOCUMENT NUMBER: 124:166508  
TITLE: An efficient method for the rescue and analysis of functional HIV-1 env genes: evidence for recombination in the vicinity of the tat/rev splice site  
AUTHOR(S): Douglas, Nigel W.; Knight, Angus I.; **Hayhurst**,

**CORPORATE SOURCE:** Andrew; Barrett, Winsome Y.; Kevany, Michael J.; Daniels, Rod S.  
**SOURCE:** Virology Division, National Institute of Medical Research, London, UK  
**DOCUMENT TYPE:** AIDS (London) (1996), 10(1), 39-46  
**LANGUAGE:** CODEN: AIDSET; ISSN: 0269-9370  
Journal  
English

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L7 ANSWER 1 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2002:162005 BIOSIS  
DOCUMENT NUMBER: PREV200200162005  
TITLE: Regulation of insulin/insulin-like growth factor-1  
signaling by proteasome-mediated degradation of insulin  
receptor substrate-2.  
AUTHOR(S): Rui, Liangyou; Fisher, Tracey L.; **Thomas, Jeffrey**  
; White, Morris F. (1)  
CORPORATE SOURCE: (1) Joslin Diabetes Center, Howard Hughes Medical Inst.,  
One Joslin Pl., Boston, MA, 02215:  
morris.white@joslin.harvard.edu USA  
SOURCE: Journal of Biological Chemistry, (October 26, 2001) Vol.  
276, No. 43, pp. 40362-40367. <http://www.jbc.org/>. print.  
ISSN: 0021-9258.  
DOCUMENT TYPE: Article  
LANGUAGE: English

L7 ANSWER 2 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2002:137690 BIOSIS  
DOCUMENT NUMBER: PREV200200137690  
TITLE: Prevention of carotid angioplasty-induced bradycardia and  
hypotension with temporary venous pacemakers.  
AUTHOR(S): Harrop, James S. (1); Sharan, Ashwini D.; Benitez, Ronald  
P.; Armonda, Rocco; **Thomas, Jeffrey**; Rosenwasser,  
Robert H.  
CORPORATE SOURCE: (1) Department of Neurosurgery, Cleveland Clinic  
Foundation, 9500 Euclid Avenue, S80, Cleveland, OH, 44195  
USA  
SOURCE: Neurosurgery (Baltimore), (October, 2001) Vol. 49, No. 4,  
pp. 814-822. <http://www.neurosurgery-online.com/>. print.  
ISSN: 0148-396X.  
DOCUMENT TYPE: Article  
LANGUAGE: English

L7 ANSWER 3 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2001:402295 BIOSIS  
DOCUMENT NUMBER: PREV200100402295  
TITLE: Predicting splice variant from DNA chip expression data.  
AUTHOR(S): Hu, Gang Ken (1); Madore, Steven J.; Moldover, Brian;  
Jatkoe, Tim; Balaban, David; **Thomas, Jeffrey**;  
Wang, Yixin  
CORPORATE SOURCE: (1) Bioinformatics, Department of Molecular Science, Pfizer  
Global Research and Development, Ann Arbor Laboratories,  
Ann Arbor, MI, 48105: KenGang.Hu@pfizer.com USA  
SOURCE: Genome Research, (July, 2001) Vol. 11, No. 7, pp.  
1237-1245. print.  
ISSN: 1088-9051.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L7 ANSWER 4 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2001:316611 BIOSIS  
DOCUMENT NUMBER: PREV200100316611  
TITLE: A genome scan for type 2 diabetes susceptibility loci in a  
genetically isolated population.  
AUTHOR(S): Permutt, Marshall A. (1); Wasson, Jonathon C.; Suarez,  
Brian K.; Lin, Jennifer; **Thomas, Jeffrey**; Meyer,  
Joanne; Lewitzky, Steve; Rennich, Jean S.; Parker, Alex;  
DuPrat, Laura; Maruti, Sanchit; Chayen, Susan; Glaser,  
Benjamin  
CORPORATE SOURCE: (1) Metabolism Division, Washington University School of  
Medicine, 660 S. Euclid, St. Louis, MO, 63110:  
apermutt USA

SOURCE: Diabetes, (March, 2001) Vol. 50, No. 3, pp. 681-685. print.  
ISSN: 0012-1797.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L7 ANSWER 5 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1998:300752 BIOSIS  
DOCUMENT NUMBER: PREV199800300752  
TITLE: Hepatocyte nuclear factor 1alpha coding mutations are an uncommon contributor to early-onset type 2 diabetes in Ashkenazi Jews.  
AUTHOR(S): Behn, Philip S.; Wasson, Jon; Chayen, Susan; Smolovitch, Irena; Thomas, Jeffrey; Glaser, Benjamin; Permutt, M. Alan (1)  
(1) Div. Metabolism, Endocrinol. Diabetes, Washington Univ. Med. Sch., Campus Box 8127, 660 Euclid Ave., St. Louis, MO 63110 USA  
SOURCE: Diabetes, (June, 1998) Vol. 47, No. 6, pp. 967-969.  
ISSN: 0012-1797.  
DOCUMENT TYPE: Article  
LANGUAGE: English

L7 ANSWER 6 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1997:156651 BIOSIS  
DOCUMENT NUMBER: PREV199799455854  
TITLE: Characterization of the MODY3 phenotype: Early-onset diabetes caused by an insulin secretion defect.  
AUTHOR(S): Lehto, Markku (1); Tumoi, Tiinamaija; Mahtani, Melanie M.; Widen, Elisabeth; Forsblom, Carol; Sarelin, Leena; Gullstrom, Monika; Isomaa, Bo; Lehtovirta, Mikko; Hyrkko, Auli; Kanninen, Timo; Orho, Marju; Manley, Sue; Turner, Robert C.; Brettin, Thomas; Kirby, Andrew; Thomas, Jeffrey; Duyk, Geoffrey; Lander, Eric; Taskinen, Marja-Riitta; Group, Leif  
(1) Dep. Endocrinology, Wallenberg Lab., MAS, 20502 Malmo Sweden  
SOURCE: Journal of Clinical Investigation, (1997) Vol. 99, No. 4, pp. 582-591.  
ISSN: 0021-9738.  
DOCUMENT TYPE: Article  
LANGUAGE: English

L7 ANSWER 7 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1996:462312 BIOSIS  
DOCUMENT NUMBER: PREV199699184668  
TITLE: Mapping of a gene for type 2 diabetes associated with an insulin secretion defect by a genome scan in Finnish families.  
AUTHOR(S): Mahtani, Melanie M.; Widen, Elisabeth; Lehto, Markku; Thomas, Jeffrey; McCarthy, Mark; Brayer, James; Bryant, Barbara; Chan, Gayun; Daly, Mark; Forsblom, Carol; Kanninen, Timo; Kirby, Andrew; Kruglyak, Leonid; Munnell, Kevin; Parkkonen, Maikki; Reeve-Daly, Mary Pat; Weaver, Alix; Brettin, Thomas; Duyk, Geoffrey; Lander, Eric S. (1); Groop, Leif C.  
(1) Whitehead Inst. Biomedical Res., 9 Cambridge Cent., Cambridge, MA 02142 USA  
SOURCE: Nature Genetics, (1996) Vol. 14, No. 1, pp. 90-94.  
ISSN: 1061-4036.  
DOCUMENT TYPE: Article  
LANGUAGE: English

L7 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:815333 CAPLUS  
DOCUMENT NUMBER: 136:80051  
TITLE: Regulation of insulin/insulin-like growth factor-1 signaling by proteasome-mediated degradation of insulin receptor substrate-2  
AUTHOR(S): Rui, Liangyou; Fisher, Tracey L.; Thomas, Jeffrey; White, Morris F.  
CORPORATE SOURCE: Howard Hughes Medical Institute, Joslin Diabetes Center, Harvard Medical School, Boston, MA, 02215, USA  
SOURCE: Journal of Biological Chemistry (2001), 276(43), 40362-40367  
PUBLISHER: American Society for Biochemistry and Molecular Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2001:512172 CAPLUS  
DOCUMENT NUMBER: 136:161882  
TITLE: Predicting splice variant from DNA chip expression data  
AUTHOR(S): Hu, Gang Ken; Madore, Steven J.; Moldover, Brian; Jatkoe, Tim; Balaban, David; Thomas, Jeffrey; Wang, Yixin  
CORPORATE SOURCE: Bioinformatics, Department of Molecular Science, Pfizer Global Research and Development, Ann Arbor Laboratories, Ann Arbor, MI, 48105, USA  
SOURCE: Genome Research (2001), 11(7), 1237-1245  
PUBLISHER: Cold Spring Harbor Laboratory Press  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2001:175334 CAPLUS  
DOCUMENT NUMBER: 135:267953  
TITLE: A genome scan for type 2 diabetes susceptibility loci in a genetically isolated population  
AUTHOR(S): Permutt, Marshall A.; Wasson, Jonathon C.; Suarez, Brian K.; Lin, Jennifer; Thomas, Jeffrey; Meyer, Joanne; Lewitzky, Steve; Rennich, Jean S.; Parker, Alex; DuPrat, Laura; Maruti, Sanchit; Chayen, Susan; Glaser, Benjamin  
CORPORATE SOURCE: Division of Metabolism, Endocrinology, Washington University Medical School, St. Louis, MO, 63110, USA  
SOURCE: Diabetes (2001), 50(3), 681-685  
PUBLISHER: American Diabetes Association  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 11 OF 17 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1998:350358 CAPLUS  
DOCUMENT NUMBER: 129:93886  
TITLE: Hepatocyte nuclear factor 1.alpha. coding mutations are an uncommon contributor to early-onset type 2 diabetes in Ashkenazi Jews

AUTHOR(S): Behn, Philip S.; Wasson, Jon; Chayen, Susan;  
Smolovitch, Irena; **Thomas, Jeffrey**; Glaser,  
Benjamin; Permutt, M. Alan  
CORPORATE SOURCE: Division of Metabolism, Endocrinology and Diabetes,  
Washington University Medical School, St. Louis, MO,  
63110, USA  
SOURCE: Diabetes (1998), 47(6), 967-969  
CODEN: DIAEAZ; ISSN: 0012-1797  
PUBLISHER: American Diabetes Association  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L7 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1998:344535 CAPLUS  
DOCUMENT NUMBER: 129:602  
TITLE: Compositions and methods for treating type II diabetes  
involving hepatic nuclear factor-4 (HNF-4)  
INVENTOR(S): Glucksman, Alexandra M.; **Thomas, Jeffrey**  
PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc., USA  
SOURCE: PCT Int. Appl., 116 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9821363	A1	19980522	WO 1997-US20759	19971114
W: AU, CA, JP				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9852571	A1	19980603	AU 1998-52571	19971114
PRIORITY APPLN. INFO.:			US 1996-749430	A 19961115
			WO 1997-US20759	W 19971114

L7 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1997:130885 CAPLUS  
DOCUMENT NUMBER: 126:236950  
TITLE: Characterization of the MODY3 phenotype. Early-onset  
diabetes caused by an insulin secretion defect  
AUTHOR(S): Lehto, Markku; Tuomi, Tiinamaija; Mahtani, Melanie M.;  
Widen, Elisabeth; Forsblom, Carol; Sarelin, Leena;  
Gullstroem, Monika; Isomaa, Bo; Lehtovirta, Mikko;  
Hyrkkoe, Auli; Kanninen, Timo; Orho, Marju; Manley,  
Sue; Turner, Robert C.; Brettin, Thomas; Kirby,  
Andrew; **Thomas, Jeffrey**; Duyk, Geoffrey;  
Lander, Eric; Taskinen, Marja-Riitta; Groop, Leif  
CORPORATE SOURCE: Dep. Endocrinol., Univ. Lund, Malmoe Univ. Hosp.,  
Malmoe, S-20502, Swed.  
SOURCE: J. Clin. Invest. (1997), 99(4), 582-591  
CODEN: JCINAO; ISSN: 0021-9738  
PUBLISHER: Rockefeller University Press  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L7 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1996:561040 CAPLUS  
DOCUMENT NUMBER: 125:213901  
TITLE: Mapping of a gene for type 2 diabetes associated with  
an insulin secretion defect by a genome scan in  
Finnish families  
AUTHOR(S): Mahtani, Melanie M.; Widen, Elisabeth; Lehto, Markku;  
**Thomas, Jeffrey**; McCarthy, Mark; Brayer,  
James; Bryant, Barbara; Chan, Gayun; Daly, Mark; et

al.  
CORPORATE SOURCE: Whitehead Inst. Biomedical Res., Cambridge, MA, 02142,  
USA  
SOURCE: Nat. Genet. (1996), 14(1), 90-94  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L7 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1991:200872 CAPLUS  
DOCUMENT NUMBER: 114:200872  
TITLE: Insertion of part of an intron into the 5'  
untranslated region of a *Caenorhabditis elegans* gene  
converts it into a trans-spliced gene  
AUTHOR(S): Conrad, Richard; **Thomas, Jeffrey**; Spieth,  
John; Blumenthal, Thomas  
CORPORATE SOURCE: Dep. Biol., Indiana Univ., Bloomington, IN, 47405, USA  
SOURCE: Mol. Cell. Biol. (1991), 11(4), 1921-6  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L7 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1990:585671 CAPLUS  
DOCUMENT NUMBER: 113:185671  
TITLE: The spliceosomal snRNAs of *Caenorhabditis elegans*  
AUTHOR(S): **Thomas, Jeffrey**; Lea, Kristi;  
Zucker-Aprison, Erin; Blumenthal, Thomas  
CORPORATE SOURCE: Dep. Biol., Indiana Univ., Bloomington, IN, 47405, USA  
SOURCE: Nucleic Acids Res. (1990), 18(9), 2633-42  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L7 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1990:16920 CAPLUS  
DOCUMENT NUMBER: 112:16920  
TITLE: Cis and trans mRNA splicing in *C. elegans*  
AUTHOR(S): Blumenthal, Thomas; **Thomas, Jeffrey**  
CORPORATE SOURCE: Dep. Biol., Indiana Univ., Bloomington, IN, 47405, USA  
SOURCE: Trends Genet. (1988), 4(11), 305-8  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English

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L8 ANSWER 1 OF 18 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2000:408455 BIOSIS  
DOCUMENT NUMBER: PREV200000408455  
TITLE: High-throughput screening of enzyme libraries.  
AUTHOR(S): Olsen, Mark (1); **Iverson, Brent (1)**; Georgiou, George  
CORPORATE SOURCE: (1) Department of Chemistry and Biochemistry, University of Texas at Austin, Austin, TX, 78712 USA  
SOURCE: Current Opinion in Biotechnology, (August, 2000) Vol. 11, No. 4, pp. 331-337. print.  
ISSN: 0958-1669.  
DOCUMENT TYPE: General Review  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L8 ANSWER 2 OF 18 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1998:422258 BIOSIS  
DOCUMENT NUMBER: PREV199800422258  
TITLE: Affinity maturation of anti-anthrax toxin SCFV.  
AUTHOR(S): Maynard, Jennifer; Georgiou, George; **Iverson, Brent**  
CORPORATE SOURCE: Dep. Chem. Eng., Univ. Tex. Austin, Austin, TX 78712 USA  
SOURCE: Abstracts of Papers American Chemical Society, (1998) Vol. 216, No. 1-3, pp. BIOT 212.  
Meeting Info.: 216th National Meeting of the American Chemical Society Boston, Massachusetts, USA August 23-27, 1998 American Chemical Society  
. ISSN: 0065-7727.  
DOCUMENT TYPE: Conference  
LANGUAGE: English

L8 ANSWER 3 OF 18 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1998:422239 BIOSIS  
DOCUMENT NUMBER: PREV199800422239  
TITLE: Engineered metal binding single chain antibody fragments.  
AUTHOR(S): Loo, Richard W. (1); Georgiou, George; **Iverson, Brent**  
CORPORATE SOURCE: (1) Dep. Chem. Eng., Univ. Texas, Austin, TX 78712 USA  
SOURCE: Abstracts of Papers American Chemical Society, (1998) Vol. 216, No. 1-3, pp. BIOT 193.  
Meeting Info.: 216th National Meeting of the American Chemical Society Boston, Massachusetts, USA August 23-27, 1998 American Chemical Society  
. ISSN: 0065-7727.  
DOCUMENT TYPE: Conference  
LANGUAGE: English

L8 ANSWER 4 OF 18 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1996:253184 BIOSIS  
DOCUMENT NUMBER: PREV199698809313  
TITLE: Flow cytometric screening of antibody fragment contact residue libraries displayed at the surface of *Escherichia coli*: A model system for the development of bacterial surface display for antibody selection.  
AUTHOR(S): Daugherty, Patrick (1); Chen, Gang; **Iverson, Brent**; Georgiou, George (1)  
CORPORATE SOURCE: (1) Dep. Chem. Eng., Univ. Tex. at Austin, Austin, TX 78712 USA  
SOURCE: Abstracts of Papers American Chemical Society, (1996) Vol. 211, No. 1-2, pp. BIOT 76.  
Meeting Info.: 211th American Chemical Society National Meeting New Orleans, Louisiana, USA March 24-28, 1996  
ISSN: 0065-7727.  
DOCUMENT TYPE: Conference  
LANGUAGE: English

L8 ANSWER 5 OF 18 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2000:609651 CAPLUS  
DOCUMENT NUMBER: 133:331206  
TITLE: High-throughput screening of enzyme libraries  
AUTHOR(S): Olsen, Mark; Iverson, Brent; Georgiou, George  
CORPORATE SOURCE: Department of Chemistry and Biochemistry, University of Texas at Austin, Austin, TX, 78712, USA  
SOURCE: Curr. Opin. Biotechnol. (2000), 11(4), 331-337  
CODEN: CUOBEB; ISSN: 0958-1669  
PUBLISHER: Elsevier Science Ltd.  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English  
REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

✓ L8 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1998:728543 CAPLUS  
DOCUMENT NUMBER: 129:341440  
TITLE: Method of selecting desired proteins by screening proteins displayed on cell surfaces  
INVENTOR(S): Iverson, Brent; Georgiou, George; Chen, Gang; Olsen, Mark J.; Daugherty, Patrick S.  
PATENT ASSIGNEE(S): Board of Regents, the University of Texas System, USA  
SOURCE: PCT Int. Appl., 149 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9849286	A2	19981105	WO 1998-US8714	19980430
WO 9849286	A3	19990325		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9871710	A1	19981124	AU 1998-71710	19980430
PRIORITY APPLN. INFO.:			US 1997-847063	19970501
			WO 1998-US8714	19980430

✓ L8 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1998:524864 CAPLUS  
TITLE: Affinity maturation of anti-anthrax toxin scFv.  
AUTHOR(S): Maynard, Jennifer; Georgiou, George; Iverson, Brent  
CORPORATE SOURCE: Department Chemical Engineering, University Texas, Austin, TX, 78712, USA  
SOURCE: Book of Abstracts, 216th ACS National Meeting, Boston, August 23-27 (1998), BIOT-212. American Chemical Society: Washington, D. C.  
CODEN: 66KYA2  
DOCUMENT TYPE: Conference; Meeting Abstract  
LANGUAGE: English

L8 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1998:524853 CAPLUS

TITLE: Engineered metal binding single chain antibody  
 frgments.  
 AUTHOR(S): Loo, Richard W.; Georgiou, George; **Iverson, Brent**  
 CORPORATE SOURCE: Department Chemical Engineering, University Texas,  
 Austin, TX, 78712, USA  
 SOURCE: Book of Abstracts, 216th ACS National Meeting, Boston,  
 August 23-27 (1998), BIOT-193. American Chemical  
 Society: Washington, D. C.  
 CODEN: 66KYA2  
 DOCUMENT TYPE: Conference; Meeting Abstract  
 LANGUAGE: English

L8 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1997:124803 CAPLUS  
 DOCUMENT NUMBER: 126:140570  
 TITLE: Chromophore probe for detection of nucleic acid  
 INVENTOR(S): Magda, Darren; Sessler, Jonathan L.; **Iverson, Brent**  
 PATENT ASSIGNEE(S): Pharmacyclics, Inc., USA; Board of Trustees, Univ. of  
 Texas System  
 SOURCE: U.S., 13 pp. Cont.-in-part of U.S. Ser. No. 310,501.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 21  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5595726	A	19970121	US 1995-486311	19950607
US 5252720	A	19931012	US 1992-822964	19920121
US 5451576	A	19950919	US 1993-112872	19930825
US 5559207	A	19960924	US 1994-227370	19940414
US 5567687	A	19961022	US 1994-310501	19940921
PRIORITY APPLN. INFO.:			US 1992-822964	A2 19920121
			US 1993-75123	B2 19930609
			US 1993-112872	A2 19930825
			US 1994-227370	A2 19940414
			US 1994-310501	A2 19940921
			US 1989-320293	A3 19890306
			US 1990-539975	A2 19900618
			US 1991-771393	B2 19910930

L8 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1997:13638 CAPLUS  
 DOCUMENT NUMBER: 126:156216  
 TITLE: Evolution of catalytic activity throughout a  
 polyclonal immune response elicited by a  
 transition-state-analog hapten  
 AUTHOR(S): Shreder, Kevin; Thomas, Richard; Wallace, Michael;  
 Helms, Eric; **Iverson, Brent**  
 CORPORATE SOURCE: Dep. Chem. Biochem., Univ. Texas, Austin, TX, 78712,  
 USA  
 SOURCE: Isr. J. Chem. (1996), 36(2), 215-220  
 CODEN: ISJCAT; ISSN: 0021-2148  
 PUBLISHER: Laser Pages Publishing  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

L8 ANSWER 11 OF 18 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1996:679502 CAPLUS  
 DOCUMENT NUMBER: 126:72119  
 TITLE: Texaphyrins and their uses in photodynamic therapy and

INVENTOR(S): treatment of tumors and atheroma  
Magda, Darren; Sessler, Jonathan L.; **Iverson, Brent**; Jansen, Petra L.; Wright, Meredith; Mody, Tarak D.; Hemmi, Gregory W.

PATENT ASSIGNEE(S): University of Texas, USA; Pharmacyclics, Inc.

SOURCE: U.S., 54 pp. Cont.-in-part of U.S. 5,451,576.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 21

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5567687	A	19961022	US 1994-310501	19940921
US 4935498	A	19900619	US 1989-320293	19890306
US 5162509	A	19921110	US 1990-539975	19900618
US 5252720	A	19931012	US 1992-822964	19920121
US 5451576	A	19950919	US 1993-112872	19930825
US 5559207	A	19960924	US 1994-227370	19940414
US 5798491	A	19980825	US 1995-458347	19950602
US 5607924	A	19970304	US 1995-469177	19950606
US 5565552	A	19961015	US 1995-487722	19950607
US 5595726	A	19970121	US 1995-486311	19950607
CA 2200571	AA	19960328	CA 1995-2200571	19950921
WO 9609315	A1	19960328	WO 1995-US12312	19950921
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9537270	A1	19960409	AU 1995-37270	19950921
AU 709951	B2	19990909		
EP 782579	A1	19970709	EP 1995-935137	19950921
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 10508581	T2	19980825	JP 1995-511125	19950921
US 5633354	A	19970527	US 1996-614638	19960313
NO 9701317	A	19970516	NO 1997-1317	19970320
FI 9701176	A	19970519	FI 1997-1176	19970320
US 5837866	A	19981117	US 1997-862778	19970523
PRIORITY APPLN. INFO.:				
		US 1989-320293	A3	19890306
		US 1990-539975	A2	19900618
		US 1991-771393	B2	19910930
		US 1992-822964	A2	19920121
		US 1993-75123	B2	19930609
		US 1993-112872	A2	19930825
		US 1994-227370	A2	19940414
		US 1994-310501	A2	19940921
		US 1995-452261	B2	19950526
		US 1995-469177	A	19950606
		US 1995-487722	A1	19950607
		WO 1995-US12312	W	19950921
		US 1996-614638	A2	19960313

OTHER SOURCE(S): MARPAT 126:72119

L8 ANSWER 12 OF 18 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1996:637439 CAPLUS

DOCUMENT NUMBER: 125:328394

TITLE: Texaphyrin metal complex mediated ester hydrolysis

INVENTOR(S): Sessler, Jonathan L.; Smith, Daniel A.; Miller, Richard A.; Ross, Kevin L.; Wright, Meredith; Dow, William C.; Kral, Vladimir A.; **Iverson, Brent**

PATENT ASSIGNEE(S): ; Magda, Darren  
 Board of Regents, University of Texas, USA;  
 Pharmacyclics, Inc.  
 SOURCE: U.S., 45 pp. Cont.-in-part of U.S. Ser. No. 75,123,  
 abandoned.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 21  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5559207	A	19960924	US 1994-227370	19940414
US 4935498	A	19900619	US 1989-320293	19890306
US 5162509	A	19921110	US 1990-539975	19900618
US 5252720	A	19931012	US 1992-822964	19920121
CA 2164419	AA	19941222	CA 1994-2164419	19940609
WO 9429316	A2	19941222	WO 1994-US6284	19940609
WO 9429316	A3	19950202		
W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, GE, HU, JP, KG, KP, KR, KZ, LK, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US, US, UZ, VN RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9470526	A1	19950103	AU 1994-70526	19940609
AU 694737	B2	19980730		
EP 702685	A1	19960327	EP 1994-919354	19940609
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE JP 08511532 T2 19961203 JP 1994-501981 19940609				
US 5567687	A	19961022	US 1994-310501	19940921
US 5798491	A	19980825	US 1995-458347	19950602
US 5607924	A	19970304	US 1995-469177	19950606
US 5565552	A	19961015	US 1995-487722	19950607
US 5595726	A	19970121	US 1995-486311	19950607
US 5763172	A	19980609	US 1995-486962	19950607
US 5888997	A	19990330	US 1997-795393	19970204
US 5969111	A	19991019	US 1997-775261	19970204
PRIORITY APPLN. INFO.: US 1989-320293 A3 19890306 US 1990-539975 A2 19900618 US 1991-771393 B2 19910930 US 1992-822964 A2 19920121 US 1993-75123 B2 19930609 US 1993-112872 A2 19930825 US 1994-227370 A 19940414 WO 1994-US6284 W 19940609 US 1994-310501 A2 19940921 WO 1994-US11491 A1 19941012 US 1995-437968 A2 19950510 US 1995-452261 B2 19950526 US 1995-485581 B1 19950607				

OTHER SOURCE(S): MARPAT 125:328394  
 ✓ L8 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1996:217232 CAPLUS  
 TITLE: Flow cytometric screening of antibody fragment contact  
 residue libraries displayed at the surface of  
 escherichia coli: A model system for the development  
 of bacterial surface display for antibody selection.  
 AUTHOR(S): Daugherty, Patrick; Chen, Gang; Iverson, Brent  
 ; Georgiou, George  
 CORPORATE SOURCE: Departments Chemical Engineering, University Texas,  
 Austin, TX, 78712, USA  
 SOURCE: Book of Abstracts, 211th ACS National Meeting, New

Orleans, LA, March 24-28 (1996), BIOT-076. American  
Chemical Society: Washington, D. C.

DOCUMENT TYPE: Conference; Meeting Abstract  
LANGUAGE: English

L8 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1995:652274 CAPLUS  
DOCUMENT NUMBER: 123:137436  
TITLE: Texaphyrin metal complexes and their use in hydrolysis  
of phosphate esters  
INVENTOR(S): Sessler, Jonathan L.; Ross, Kevin L.; Wright,  
Meredith; Hemmi, Gregory W.; Dow, William C.; Smith,  
Daniel A.; Kral, Vladimir A.; Iverson, Brent  
; Mody, Tarak; et al.  
PATENT ASSIGNEE(S): Board of Reagents, University of Texas System, USA;  
Pharmacyclics, Inc.  
SOURCE: PCT Int. Appl., 125 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 21  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9429316	A2	19941222	WO 1994-US6284	19940609
WO 9429316	A3	19950202		
W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, GE, HU, JP, KG, KP, KR, KZ, LK, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US, US, UZ, VN RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5559207	A	19960924	US 1994-227370	19940414
AU 9470526	A1	19950103	AU 1994-70526	19940609
AU 694737	B2	19980730		
EP 702685	A1	19960327	EP 1994-919354	19940609
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE JP 08511532	T2	19961203	JP 1994-501981	19940609
US 5969111	A	19991019	US 1997-775261	19970204
US 6072038	A	20000606	US 1998-104870	19980625
PRIORITY APPLN. INFO.:				
		US 1993-75123	A	19930609
		US 1994-227370	A	19940414
		US 1989-320293	A3	19890306
		US 1990-539975	A2	19900618
		US 1991-771393	B2	19910930
		US 1992-822964	A2	19920121
		US 1993-135118	A2	19931012
		US 1995-227370	A2	19940414
		WO 1994-US6284	W	19940609
		WO 1994-US11491	A1	19941012
		US 1995-437968	A2	19950510
		US 1995-452261	B2	19950526
		US 1997-795393	A1	19970204

OTHER SOURCE(S): MARPAT 123:137436

L8 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1981:204084 CAPLUS  
DOCUMENT NUMBER: 94:204084  
TITLE: The "pocket" porphyrin: a hemoprotein model with  
lowered carbon monoxide affinity  
AUTHOR(S): Collman, James P.; Brauman, John I.; Collins, Terrence  
J.; Iverson, Brent; Sessler, Jonathan L.  
CORPORATE SOURCE: Dep. Chem., Stanford Univ., Stanford, CA, 94305, USA

SOURCE: J. Am. Chem. Soc. (1981), 103(9), 2450-2  
 CODEN: JACSAT; ISSN: 0002-7863  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 L8 ANSWER 16 OF 18 USPATFULL  
 ACCESSION NUMBER: 97:5712 USPATFULL  
 TITLE: Chromophore probe for detection of nucleic acid  
 INVENTOR(S): Magda, Darren, Cupertino, CA, United States  
 Sessler, Jonathan L., Austin, TX, United States  
 Iverson, Brent, Austin, TX, United States  
 PATENT ASSIGNEE(S): Pharmacyclics, Inc., Sunnyvale, CA, United States (U.S. corporation)  
 Board of Trustees, Univ. of TX Sys., Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5595726		19970121
APPLICATION INFO.:	US 1995-486311		19950607 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-310501, filed on 21 Sep 1994 which is a continuation-in-part of Ser. No. US 1993-112872, filed on 25 Aug 1993, now patented, Pat. No. US 5451576 And a continuation-in-part of Ser. No. US 1994-227370, filed on 14 Apr 1994 which is a continuation-in-part of Ser. No. US 1993-75123, filed on 9 Jun 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-822964, filed on 21 Jan 1992, now patented, Pat. No. US 5252720 , said Ser. No. US -112872 which is a division of Ser. No. US -822964		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Raymond, Richard L.		
LEGAL REPRESENTATIVE:	Larson, Jacqueline S.		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	1012		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L8 ANSWER 17 OF 18 USPATFULL  
 ACCESSION NUMBER: 96:97025 USPATFULL  
 TITLE: Texaphyrins and uses thereof  
 INVENTOR(S): Magda, Darren, Cupertino, CA, United States  
 Sessler, Jonathan L., Austin, TX, United States  
 Iverson, Brent, Austin, TX, United States  
 Jansen, Petra L., Austin, TX, United States  
 Wright, Meredith, San Jose, CA, United States  
 Mody, Tarak D., Sunnyvale, CA, United States  
 Hemmi, Gregory W., Sunnyvale, CA, United States  
 University of Texas, Austin, TX, United States (U.S. corporation)  
 Pharmacyclics, Inc., Sunnyvale, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5567687		19961022
APPLICATION INFO.:	US 1994-310501		19940921 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1993-112872, filed on 25 Aug 1993, now patented, Pat. No. US 5451576 And Ser. No. US 1994-227370, filed on 14 Apr 1994 which is a continuation-in-part of Ser. No. US 1993-75123, filed		

on 9 Jun 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-822964, filed on 21 Jan 1992, now patented, Pat. No. US 5252720, issued on 12 Oct 1993 which is a continuation-in-part of Ser. No. US 1991-771393, filed on 30 Sep 1991, now abandoned which is a continuation-in-part of Ser. No. US 1990-539975, filed on 18 Jun 1990, now patented, Pat. No. US 5162509, issued on 10 Nov 1992 which is a division of Ser. No. US 1989-320293, filed on 6 Mar 1989, now patented, Pat. No. US 4935498, issued on 19 Jun 1990, said Ser. No. US -112872 which is a division of Ser. No. US -822964

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Raymond, Richard L.  
LEGAL REPRESENTATIVE: Arnold, White & Durkee  
NUMBER OF CLAIMS: 13  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 28 Drawing Figure(s); 28 Drawing Page(s)  
LINE COUNT: 2828  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 18 OF 18 USPATFULL  
ACCESSION NUMBER: 96:87695 USPATFULL  
TITLE: Texaphyrin metal complex mediated ester hydrolysis  
INVENTOR(S): Sessler, Jonathan L., Austin, TX, United States  
Smith, Daniel A., Goshen, IN, United States  
Miller, Richard A., Portola Valley, CA, United States  
Ross, Kevin L., Blue Ash, OH, United States  
Wright, Meredith, San Jose, CA, United States  
Dow, William C., Fremont, CA, United States  
Kr al, Vladimir A., Austin, TX, United States  
Iverson, Brent, Austin, TX, United States  
Magda, Darren, Cupertino, CA, United States  
Board of Regents, University of Texas, Austin, TX, United States (U.S. corporation)  
Pharmacyclics, Inc., Sunnyvale, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5559207		19960924
APPLICATION INFO.:	US 1994-227370		19940414 (8)
RELATED APPLN. INFO.:			Continuation-in-part of Ser. No. US 1993-75123, filed on 9 Jun 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-822964, filed on 21 Jan 1992, now patented, Pat. No. US 5252720, issued on 12 Oct 1993 which is a continuation-in-part of Ser. No. US 1991-771393, filed on 30 Sep 1991, now abandoned which is a continuation-in-part of Ser. No. US 1990-539975, filed on 18 Jun 1990, now patented, Pat. No. US 5162509, issued on 10 Nov 1992 which is a division of Ser. No. US 1989-320293, filed on 6 Mar 1989, now patented, Pat. No. US 4935498, issued on 19 Jun 1990

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Patterson, Jr., Charles L.  
LEGAL REPRESENTATIVE: Arnold, White & Durkee  
NUMBER OF CLAIMS: 40  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 24 Drawing Figure(s); 24 Drawing Page(s)  
LINE COUNT: 2269  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

0 ANSWER 1 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 ACCESSION NUMBER: 2001:307486 BIOSIS  
 DOCUMENT NUMBER: PREV200100307486  
 TITLE: Isolation of high-affinity ligand-binding proteins by periplasmic expression with cytometric screening (PECS).  
 AUTHOR(S): Chen, Gang; Hayhurst, Andrew; Thomas, Jeffery G.; Harvey, Barrett R.; Iverson, Brent L. (1); Georgiou, George (1)  
 CORPORATE SOURCE: (1) Institute for Cell and Molecular Biology, University of Texas, Austin, TX, 7812-05: biverson@utxvms.cc.utexas.edu, gg@che.utexas.edu USA  
 SOURCE: Nature Biotechnology, (June, 2001) Vol. 19, No. 6, pp. 537-542. print.  
 DOCUMENT TYPE: Article  
 LANGUAGE: English  
 SUMMARY LANGUAGE: English

L10 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2001:428879 CAPLUS  
 DOCUMENT NUMBER: 135:58046  
 TITLE: Isolation of high-affinity ligand-binding proteins by periplasmic expression with cytometric screening (PECS).  
 AUTHOR(S): Chen, Gang; Hayhurst, Andrew; Thomas, Jeffery G.; Harvey, Barrett R.; Iverson, Brent L.; Georgiou, George  
 CORPORATE SOURCE: Inst. Cell and Molecular Biology, Univ. Texas, Austin, TX, 7812-05, USA  
 SOURCE: Nature Biotechnology (2001), 19(6), 537-542  
 PUBLISHER: Nature America Inc.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1999:8133 CAPLUS  
 DOCUMENT NUMBER: 130:62025  
 TITLE: Methods for producing heterologous disulfide bond-containing polypeptides in bacterial cells  
 INVENTOR(S): Georgiou, George; Qiu, Ji; Bessette, Paul; Swartz, James R.  
 PATENT ASSIGNEE(S): Board of Regents, the University of Texas System, USA  
 SOURCE: PCT Int. Appl., 98 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9856930	A2	19981217	WO 1998-US12004	19980609
WO 9856930	A3	19990401		
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,			

CM, GA, GN, ML, MR, NE, SN, TD, TG  
 US 6083715 A 20000704 US 1997-871483 19970609  
 AU 9881404 A1 19981230 AU 1998-81404 19980609  
 EP 1002111 A2 20000524 EP 1998-931228 19980609  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, FI  
 JP 2002504826 T2 20020212 JP 1999-503144 19980609  
 PRIORITY APPLN. INFO.: US 1997-871483 A2 19970609  
 WO 1998-US12004 W 19980609

L10 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2002 ACS  
 ✓ ACCESSION NUMBER: 1996:217232 CAPLUS  
 TITLE: Flow cytometric screening of antibody fragment contact  
 residue libraries displayed at the surface of  
 escherichia coli: A model system for the development  
 of bacterial surface display for antibody selection.  
 AUTHOR(S): Daugherty, Patrick; Chen, Gang; Iverson, Brent;  
 Georgiou, George  
 CORPORATE SOURCE: Departments Chemical Engineering, University Texas,  
 Austin, TX, 78712, USA  
 SOURCE: Book of Abstracts, 211th ACS National Meeting, New  
 Orleans, LA, March 24-28 (1996), BIOT-076. American  
 Chemical Society: Washington, D. C.  
 CODEN: 62PIAJ  
 DOCUMENT TYPE: Conference; Meeting Abstract  
 LANGUAGE: English

L10 ANSWER 5 OF 8 USPATFULL  
 ACCESSION NUMBER: 2001:14199 USPATFULL  
 TITLE: In vitro scanning saturation mutagenesis of proteins  
 INVENTOR(S): Iverson, Brent L., Austin, TX, United States  
 Georgiou, George, Austin, TX, United States  
 PATENT ASSIGNEE(S): Burks, Elizabeth A., Manchaca, TX, United States  
 Board of Regents, The Universiry of Texas System,  
 Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6180341	B1	20010130
APPLICATION INFO.:	US 1998-70408		19980430 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-45409P	19970501 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Patterson, Jr., Charles L.	
LEGAL REPRESENTATIVE:	Fulbright & Jaworski LLP	
NUMBER OF CLAIMS:	21	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	13 Drawing Figure(s); 8 Drawing Page(s)	
LINE COUNT:	2836	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 6 OF 8 USPATFULL  
 ACCESSION NUMBER: 2000:84056 USPATFULL  
 TITLE: Methods for producing heterologous disulfide  
 bond-containing polypeptides in bacterial cells  
 INVENTOR(S): Georgiou, George, Austin, TX, United States  
 Oiu, Ji, Austin, TX, United States  
 Bessette, Paul, Austin, TX, United States  
 Swartz, James, Menlo Park, CA, United States  
 PATENT ASSIGNEE(S): Board of Regents, The University of Texas System,  
 Austin, TX, United States (U.S. corporation)

Genentech, Inc., South San Francisco, CA, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6083715		20000704
APPLICATION INFO.:	US 1997-871483		19970609 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Patterson, Jr., Charles L.		
ASSISTANT EXAMINER:	Tung, Peter P.		
LEGAL REPRESENTATIVE:	Arnold, White & Durkee		
NUMBER OF CLAIMS:	46		
EXEMPLARY CLAIM:	2		
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 3 Drawing Page(s)		
LINE COUNT:	2915		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L10 ANSWER 7 OF 8 USPATFULL  
ACCESSION NUMBER: 96:31742 USPATFULL  
TITLE: Bacterial host strains for producing proteolytically sensitive polypeptides  
INVENTOR(S): Georgiou, George, Austin, TX, United States  
Baneyx, Francois, Seattle, WA, United States  
PATENT ASSIGNEE(S): Board of Regents, The University of Texas System, Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5508192		19960416
APPLICATION INFO.:	US 1993-153855		19931118 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1990-612696, filed on 9 Nov 1990, now patented, Pat. No. US 5264365, issued on 23 Nov 1993		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Fleisher, Mindy B.		
ASSISTANT EXAMINER:	Vogel, Nancy T.		
LEGAL REPRESENTATIVE:	Arnold, White & Durkee		
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	1390		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L10 ANSWER 8 OF 8 USPATFULL  
ACCESSION NUMBER: 94:82162 USPATFULL  
TITLE: Expression of proteins on bacterial surface  
INVENTOR(S): Georgiou, George, 11501 Juniper Ridge Dr., Austin, TX, United States 78759  
Francisco, Joseph A., Austin, TX, United States  
Earhart, Charles F., Austin, TX, United States  
PATENT ASSIGNEE(S): Georgiou, George, Austin, TX, United States (U.S. individual)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5348867		19940920
APPLICATION INFO.:	US 1991-794731		19911115 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Hill, Jr., Robert J.		
ASSISTANT EXAMINER:	Allen, Marianne Porta		
LEGAL REPRESENTATIVE:	Arnold, White & Durkee		

NUMBER OF CLAIMS: 19  
EXEMPLARY CLAIM: 1, 2  
NUMBER OF DRAWINGS: 11 Drawing Figure(s); 10 Drawing Page(s)  
LINE COUNT: 1400  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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